

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Reliable Plating Residential VI - Removal Polrep



US EPA RECORDS CENTER REGION 5



537595

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Progress
Reliable Plating Residential VI
05AF-OU3
Findlay, OH

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From: Kim Churchill, OSC

Date: 9/7/2017

Reporting Period: 5/14/2017 - 8/29/2017

1. Introduction

1.1 Background

Site Number:	05AF	Contract Number:	
D.O. Number:		Action Memo Date:	9/12/2016
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	3
Mobilization Date:	11/29/2016	Start Date:	11/29/2016
Demob Date:		Completion Date:	
CERCLIS ID:	OHD063701841	RCRIS ID:	
ERNS No.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Initially Time Critical; Subsequent Emergency Response

1.1.2 Site Description

The former Reliable Plating (Site) is located at 517 Crystal Avenue in Findlay, Hancock County, Ohio, in a mixed residential, commercial, and industrial area. A small (approximately 6,000 square-foot) building was previously located at the Site before being razed in the early 1990s. Prior to its demolition, the building was rented and used for electrochemical plating activities. The Site is currently vacant, covered with vegetation, and secured with a perimeter fence to restrict public access. The Site is bordered by residential properties (potentially affected by migrating contamination) and public right-of-ways to the north and west and by other residential properties to the east and south. This time critical removal action addresses one residential property impacted by the contamination migrating from the Site.

1.1.2.1 Location

Residential property located on Crystal Avenue near the former Reliable Plating Site in Findlay, Ohio.

1.1.2.2 Description of Threat

See POLREP #1.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results
See POLREP #1 and #2.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See POLREP #1 and #2.

On May 2, 2017 EPA mobilized to the site to install a sub-membrane depressurization system in the crawl space portion of the residential home. This system was connected to the existing sump pressurization system installed in the basement portion of the home. In order to test the effectiveness of this additional system, indoor air samples were collected over a 24-hour period beginning on May 16, 2017 from the basement level of the home, the first floor of the home, inside the crawl space. In addition an ambient air sample was collected on the front porch. The results show that TCE was detected below the EPA and ATSDR recommended indoor air screening level of 2.1 µg/m³ on the first floor of the home. TCE levels in the basement and crawl space were slightly above the screening level. However, the levels in the indoor air (basement and first floor) have decreased with the addition of the crawl space system and is suspected to continue to decrease over time. It should also be noted that the resident does not access the basement or crawl space and did not express any concerns with the results.

Additional follow-up sampling to confirm TCE levels continue to decrease were scheduled for June 27-28, 2017. Results from this sampling event showed a slight increase in TCE levels in the indoor air, however, TCE levels in the indoor air on the first floor remain below the recommended screening level. As a result of TCE levels remaining elevated above the recommended screening level in the basement and crawl space, EPA returned to the site on July 31, 2017 to install a more powerful fan on the depressurization system. Per EPA guidance, modification follow-up sampling was performed approximately 30 days after system modification on August 28, 2017. Results are pending.

2.1.2 Response Actions to Date

See POLREP #1 and #2.

From May 16-17, 2017 and from June 28-29, 2017 the following activities occurred:

- Collection of indoor air samples from the crawl space, basement, and first floor of the residential home. An ambient air sample was also collected from the front porch during both sampling events.

On July 31, 2017 the following activities occurred:

- Installation of a more powerful fan onto the depressurization system

From August 28-29, 2017 the following activities occurred:

- Collection of indoor air samples from the crawl space, basement, and first floor of the residential home. An ambient air sample was also collected from the front porch.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

There was no entity or person to issue an order to who qualified as an operator, or a successor in interest to a former operator that arranged for disposal of hazardous substances at the Site.

2.1.4 Progress Metrics

2.2 Planning Section

2.2.1 Anticipated Activities

Complete additional rounds of post-installation proficiency sampling of indoor air within the crawl space, basement, and living room to confirm system is effectively reducing TCE levels to below EPA's and ATSDR's recommended vapor intrusion screening level.

2.2.1.1 Planned Response Activities

Return to the site to collect proficiency sampling in accordance with EPA guidance.

2.2.1.2 Next Steps

Review analytical data to confirm that the system is effectively reducing TCE levels in indoor air. If data indicates that TCE levels remain elevated above the vapor intrusion screening level for TCE additional actions will be taken.

2.2.2 Issues

There are no issues to report.

2.3 Logistics Section

ERRS and the OSC are managing site logistics.

2.4 Finance Section

2.4.1 Narrative

ERRS costs are estimated through June 21, 2017.

START costs are estimated through July 31, 2017

Please note an original Action Memo for \$24,988 was signed on September 12, 2016. A second Action Memo for \$75,600 with an exemption to the 12-month statutory requirement was signed on May 17, 2017.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$41,700.00	\$31,090.92	\$10,609.08	25.44%
TAT/START	\$15,000.00	\$8,440.67	\$6,559.33	43.73%
Intramural Costs				

Total Site Costs	\$56,700.00	\$39,531.59	\$17,168.41	30.28%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

The OSC is serving in this role.

2.5.2 Liaison Officer

The OSC is serving in this role.

2.5.3 Information Officer

The OSC is serving in this role.

3. Participating Entities

3.1 Unified Command

Not applicable.

3.2 Cooperating Agencies

Ohio EPA

4. Personnel On Site

5/16/2017

EPA: 1

START: 1

5/17/2017

EPA: 1

START: 1

6/27/2017

EPA: 1

START: 1

6/28/2017

EPA: 1

START: 1

7/31/2017

EPA: 1

START: 1

ERRS: 2

8/28/2017

START: 1

8/29/2017

EPA: 1

START: 1

5. Definition of Terms

ATSDR Agency for Toxic Substances and Disease Registry
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
 CO Carbon Dioxide
 EPA Environmental Protection Agency
 ERNS Emergency Response Notification System
 ERRS Emergency and Rapid Response Service
 HASP Health and Safety Plan

LEL Lower Explosive Limit

NCP National Oil and Hazardous Substance Pollution Contingency Plan

NPL National Priorities List

NRC National Response Center

O2 Oxygen

Ohio EPA Ohio Environmental Protection Agency

OSC On Scene Coordinator

PCE Tetrachloroethylene

POLREP Pollution Report

PPE Personal Protective Equipment

PPM	Parts per million
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Act Information System
RML	Removal Management Level
TCE	Trichloroethylene
VISL	Vapor Intrusion Screening Level
VOC	Volatile Organic Compound

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaossc.org/ReliablePlatingResidentialVI>

6.2 Reporting Schedule

Additional POLREPs will be issued as needed based on post-installation proficiency sampling results and any need for additional system modifications. A final POLREP will be issued upon successful completion of proposed proficiency sampling.

7. Situational Reference Materials

No information available at this time.